L Number	Hits	Search Text	DB	Time stamp
1	40	(29/$.ccls.) and (((punching or drilling) near metal) same (holes or bores or openings or apertures))	USPAT; US-PGPUB	2004/03/22 10:51
2	16	(29/$.ccls.) and ((method near (cabinet or framing or frame)) same metal)	USPAT; US-PGPUB	2004/03/22 10:52
-	127	@pd>20030901 and (248/110 or 248/152 or 248/176.1 or 248/351 or 248/357 or 248/309.1 or 248/312 or 248/37.3 or 248/37.6 or 248/688 or 211/60.1 or 211/65 or 211/68 or 211/69.1 or 211/70.7 or 211/70.1 or 15/248.1 or 15/167.1).ccls.	USPAT; US-PGPUB	2004/03/22 10:48
-	7059	a47f007/00.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:42
-	441	a46b017/00.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:42
-	358	a46b017/00.ipc. and (toothbrush or brush)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:43
-	330	a46b017/08.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:43
-	116	a47f007/00.ipc. and (toothbrush or brush)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:43
-	1	("4064996").PN.	USPAT; US-PGPUB	2004/03/11 08:23
-	161	(metal near (hollow or tube or tubular)) same ((bore or hole or opening or aperture) near (punch$3 or drill$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:24
-	8013	(hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:39
-	3	((metal near (hollow or tube or tubular)) same ((bore or hole or opening or aperture) near (punch$3 or drill$3))) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:25
-	37	((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1)) same (metal adj3 (tub$4 or post$1 or pole$1 or stud$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:26

-	12	("1441394" | "1656856" | "1976019" | "3082850" | "3776652" | "3999352" | "4021988" | "4652169" | "4982545" | "5335411" | "5520475" | "5595453").PN.	USPAT	2004/03/11 08:26
-	1	5839848.URPN.	USPAT	2004/03/11 08:28
-	6441	(metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:31
-	10	((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1)) and ((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:32
-	63	((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)) and ((bore$1 or hole$1 or opening$1 or aperture$1) near (boring or drilling or punching))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:32
-	3	(((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)) and ((bore$1 or hole$1 or opening$1 or aperture$1) near (boring or drilling or punching))) and ((hole$1 or bore$1 or opening$1 or aperture$1) near (collar$1 or flange$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:33
-	60	(((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)) and ((bore$1 or hole$1 or opening$1 or aperture$1) near (boring or drilling or punching))) not ((((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)) and ((bore$1 or hole$1 or opening$1 or aperture$1) near (boring or drilling or punching))) and ((hole$1 or bore$1 or opening$1 or aperture$1) near (collar$1 or flange$1)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:35
-	235	((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)) and cabinet	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:35
-	27	(((metal near frame) same (tubular or hollow or post$1 or pole$1 or stud$1 or member$1 or tube$1)) and cabinet) and ((rectangular or square) near (tube$1 or post$1 or pole$1 or stud$1 or member$1 or tubular))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:38
-	0	8970.URPN.	USPAT	2004/03/11 08:37

-	980	metal near ((rectangular or rectangule or square$1) adj3 (post$1 or pole$1 or stud$1 or member$1 or tube$1 or tubular$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:39
-	10816	((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1 or thread$3 or flange$1 or shoulder$1 or detent$3)) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (punch$3 or drill$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:40
-	15	(metal near ((rectangular or rectangule or square$1) adj3 (post$1 or pole$1 or stud$1 or member$1 or tube$1 or tubular$1))) and (((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1 or thread$3 or flange$1 or shoulder$1 or detent$3)) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (punch$3 or drill$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:42
-	549	(metal near ((rectangular or rectangule or square$1) adj3 (post$1 or pole$1 or stud$1 or member$1 or tube$1 or tubular$1))) same (attach$3 or mak$3 or connect$3 or fram$3 or method)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:42
-	36	((metal near ((rectangular or rectangule or square$1) adj3 (post$1 or pole$1 or stud$1 or member$1 or tube$1 or tubular$1))) same (attach$3 or mak$3 or connect$3 or fram$3 or method)) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (drill$3 or boring or punch$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:48
-	24	("0957344" | "1530675" | "2548038" | "2630334" | "2808676" | "2842300" | "3354573" | "3553767" | "3599277" | "3623187" | "3727723" | "3854168" | "3894313" | "4027357" | "4338703" | "4407391" | "4506411" | "4595078" | "4705179" | "4806063" | "4903372" | "4977643" | "5049110" | "5236386").PN.	USPAT	2004/03/11 08:43
-	9	("0957344" | "1530675" | "2842300" | "3727723" | "3854168" | "4407391" | "4506411" | "4595078" | "4903372").PN.	USPAT	2004/03/11 08:44
-	9	("0568028" | "2548038" | "2808676" | "2941767" | "3354573" | "3553767" | "3599277" | "3623187" | "3628759").PN.	USPAT	2004/03/11 08:44
-	20	3854168.URPN.	USPAT	2004/03/11 08:44
-	18	5049110.URPN.	USPAT	2004/03/11 08:45
-	2	6062974.URPN.	USPAT	2004/03/11 08:46

-	281	(((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1 or thread$3 or flange$1 or shoulder$1 or detent$3)) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (punch$3 or drill$3))) and (metal near (posts or poles or studs or tubes or tubular or members))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:49
-	180	((((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1 or thread$3 or flange$1 or shoulder$1 or detent$3)) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (punch$3 or drill$3))) and (metal near (posts or poles or studs or tubes or tubular or members))) and (punch$3 or drilling or boring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 08:54
-	24	(method adj2 (attaching or assembl$3 or securing or connecting or framing)) near (metal adj3 (tubing or tubular or hollow or posts or poles or studs or members or frames))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 09:00
-	215	(method adj2 (attaching or assembl$3 or securing or connecting or framing)) same (metal adj3 (tubing or tubular or hollow or posts or poles or studs or members or frames))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 09:00
-	3	((method adj2 (attaching or assembl$3 or securing or connecting or framing)) same (metal adj3 (tubing or tubular or hollow or posts or poles or studs or members or frames))) and (((hole$1 or bore$1 or aperture$1 or opening$1) near (collar$1 or thread$3 or flange$1 or shoulder$1 or detent$3)) and ((hole$1 or bore$1 or aperture$1 or opening$1) near (punch$3 or drill$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/11 09:01
-	7	(method near (securing or abutting or attaching or connecting or assembling)) same ((tubular or hollow) near (posts or poles or tubes or members or studs)) and (metal near (tubes or posts or poles or members or studs))	USPAT	2004/03/11 09:03
-	57	(method near (securing or abutting or attaching or connecting or assembling)) and ((tubular or hollow) near (posts or poles or tubes or members or studs)) and (metal near (tubes or posts or poles or members or studs))	USPAT	2004/03/11 09:04

-	0	((method near (securing or abutting or attaching or connecting or assembling)) and ((tubular or hollow) near (posts or poles or tubes or members or studs)) and (metal near (tubes or posts or poles or members or studs))) and (((hole\$1 or bore\$1 or aperture\$1 or opening\$1) near (collar\$1 or thread\$3 or flange\$1 or shoulder\$1 or detent\$3)) and ((hole\$1 or bore\$1 or aperture\$1 or opening\$1) near (punch\$3 or drill\$3)))	USPAT	2004/03/11 09:03
-	0	((method near (securing or abutting or attaching or connecting or assembling)) and ((tubular or hollow) near (posts or poles or tubes or members or studs)) and (metal near (tubes or posts or poles or members or studs))) and ((openings or bores or holes or apertures) near (collar\$1 or flanges or drilling or punching))	USPAT	2004/03/11 09:05
-	589	(method near (securing or abutting or attaching or connecting or assembling)) and (metal near (tubes or posts or poles or members or studs))	USPAT	2004/03/11 09:04
-	27	((method near (securing or abutting or attaching or connecting or assembling)) and (metal near (tubes or posts or poles or members or studs))) and ((openings or bores or holes or apertures) near (collar\$1 or flanges or drilling or punching))	USPAT	2004/03/11 09:06
-	122	(method near (framing or assembling or connecting or securing)) same cabinet	USPAT	2004/03/11 09:07
-	64	((method near (framing or assembling or connecting or securing)) same cabinet) and (tubes or studs or poles or posts or members) and metal	USPAT	2004/03/11 09:09
-	0	(method adj3 (attaching or securing or connecting or assembling)) near (metal adj3 (posts or members or studs or tubes or poles)) and ((punching or drilling) near (holes or openings or apertures or bores)) and (collar\$1 near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:11
-	0	(method adj3 (attaching or securing or connecting or assembling)) same (metal adj3 (posts or members or studs or tubes or poles)) and ((punching or drilling) near (holes or openings or apertures or bores)) and (collar\$1 near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:12

-		0	(method adj3 (attaching or securing or connecting or assembling)) and (metal adj3 (posts or members or studs or tubes or poles)) and ((punching or drilling) near (holes or openings or apertures or bores)) and (collar$1 near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:12
-		0	method and (metal adj3 (posts or members or studs or tubes or poles)) and ((punching or drilling) near (holes or openings or apertures or bores)) and (collar$1 near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:12
-		2	method and (metal adj3 (posts or members or studs or tubes or poles)) and ((punching or drilling) same (holes or openings or apertures or bores)) and (collar$1 near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:13
-		5	(method adj2 (securing or mounting or attaching or connecting or assembling)) and (metal adj3 (posts or members or studs or tubes or poles)) and (collar$1 near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:14
-		82	(method adj2 (securing or mounting or attaching or connecting or assembling)) and (metal adj3 (posts or members or studs or tubes or poles)) and ((drilling or punching) near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:19
-		9	((method adj2 (securing or mounting or attaching or connecting or assembling)) near (posts or members or studs or tubes or poles)) and ((drilling or punching) near (holes or openings or bores or apertures))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/11 09:20
-		2293	(rectang$5 near (section or beam or stud or channel or member)) near (tubular or hollow or tube)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:10
-		91	((rectang$5 near (section or beam or stud or channel or member)) near (tubular or hollow or tube)) and (punching or drilling)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:10
-		15710	(holes or openings or apertures or slots) near (punching or drilling)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:10
-		15	(((rectang$5 near (section or beam or stud or channel or member)) near (tubular or hollow or tube)) and (punching or drilling)) and ((holes or openings or apertures or slots) near (punching or drilling))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:11

-		278	(method near (making or assembling or attaching or connecting or securing)) same ((supports or beams or members or posts or poles or standards or studs) near (tubular or tubed or hollow))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:13
-		14	((method near (making or assembling or attaching or connecting or securing)) same ((supports or beams or members or posts or poles or standards or studs) near (tubular or tubed or hollow))) and ((holes or openings or apertures or slots) near (punching or drilling))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:16
-		57	((method near (making or assembling or attaching or connecting or securing)) same ((supports or beams or members or posts or poles or standards or studs) near (tubular or tubed or hollow))) and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/21 14:19
-		13	("1911653" | "2507859" | "3535909" | "4384840" | "4449281" | "4590655" | "4676088" | "4840053" | "4875270" | "5419171" | "5435163" | "5485737" | "5975405").PN.	USPAT	2004/03/21 14:17
-		7	2507859.URPN.	USPAT	2004/03/21 14:17
-		2	1911653.URPN.	USPAT	2004/03/21 14:18
-		1	("4036514").PN.	USPAT; US-PGPUB	2004/03/21 14:21
-		9	("2706134" | "2966373" | "2994933" | "3050786" | "3320106" | "3382121" | "3406988" | "3526683" | "3758916").PN.	USPAT	2004/03/21 14:19
-		7	4036514.URPN.	USPAT	2004/03/21 14:20
-		7	("2736949" | "3406988" | "3953059" | "3972548" | "3982564" | "3982777" | "4036514").PN.	USPAT	2004/03/21 14:20
-		26	((method near (making or assembling or attaching or connecting or securing)) same ((supports or beams or members or posts or poles or standards or studs) near (tubular or tubed or hollow))) and 403/$.ccls.	USPAT; US-PGPUB	2004/03/21 14:28
-		7	(("0197667") or ("1455440") or ("1850803") or ("1892712") or ("2065915") or ("2290965") or ("2292799")).PN.	USPAT; US-PGPUB	2004/03/21 14:30
-		3	2065915.URPN.	USPAT	2004/03/21 14:29
-		15	((punching or drilling) near (holes or openings or apertures or slots or bores)) same (metal near (tubes or members or studs or beams or channels or rails))	USPAT; US-PGPUB	2004/03/21 14:31

-		7	((punching or drilling) near (holes or openings or apertures or slots or bores)) same (metal near (frames or framing or frame))	USPAT; US-PGPUB	2004/03/21 14:32